



Bureau of Air Pollution Control

901 SOUTH STEWART STREET SUITE 4001
CARSON CITY, NEVADA 89701-5249

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Facility ID No. A0022

DRAFT Permit No. AP9711-0863.02

CLASS I AIR QUALITY OPERATING PERMIT GENERAL REQUIREMENTS

Issued to: Department of the Army, Hawthorne Army Depot (HWAD), hereafter called the Permittee

Mailing Address: 1 South Maine, Hawthorne, Nevada 89415-5000

Physical Address: 1 South Maine, Hawthorne, Nevada 89415-5000

General Facility Location: US Hwy 95, One Mile North of Hawthorne, Mineral County

HWAD Main Base Facility is located south of Walker Lake, in Hydrographic Basins (HA) 109, 110B and 110C and occupies: Section 1, T7N, R28E; Sections 5 & 6, T7N, R29E; Sections 1, 2, & 3, all but ¼ of the northwest ¼ of Section 4, Section 9-16, eastern ¼ of Section 21, Sections 22-26, ¾ of Section 27, ¾ of Section 35, Section 36, T7N, R30E; Sections 2-11, 14-23-26-35, T7N, R31E; Sections 1-3, east ½ of Section 10, Sections 11-14, ¼ of northeast ¼ of Section 15, Sections 23-25, northeast ¼ of the southeast ¼ of Section 26, Section 36, T8N, R28E; Sections 1-33, T8N, R29E; Sections 1-14, east ½ of section 15, northern ½ of Section 16, Sections 17-20, ¾ of Section 21, northeast ¼ of Section 22, Sections 23-25, ¾ of Section 26, Sections 29 & 30, ¾ of Section 34, Sections 35 & 36, T8N, R30E; Sections 1-23, 26-35, T8N, R31E; south ½ of Section 10, Sections 11-15, 22-27, 34-36, T9N, R28E; Sections 1-4, eastern ½ of Section 5, Section 7, western ½ of Section 8, Sections 9-15, eastern ½ of section 16, sections 17-36, T9N, R29E; Sections 25-36, T9N, R30E; Section 31, T9N, R31E.

Emission Unit List:

A. System 01 – 24.5 MMBtu/hr Nebraska Diesel Fired Boiler

S 2.001 24.5 MMBtu/hr Nebraska Boiler, mdl# NS-B-34, s/n 2D1637, mfd 1974; Building 13

B. System 02 – 24.5 MMBtu/hr Nebraska Diesel Fired Boiler

S 2.002 24.5 MMBtu/hr Nebraska Boiler, mdl# NS-B-34, s/n 2D1639, mfd 1974; Building 13

C. System 03 – 24.5 MMBtu/hr Nebraska Diesel Fired Boiler

S 2.003 24.5 MMBtu/hr Nebraska Boiler, mdl# NS-B-34, s/n 2D1695, mfd 1975; Building 103-6

D. System 04 – 24.5 MMBtu/hr Nebraska Diesel Fired Boiler

S 2.004 24.5 MMBtu/hr Nebraska Boiler, mdl# NS-B-34, s/n 2D1733, mfd 1975; Building 103-6

E. System 05 – 24.5 MMBtu/hr Nebraska Diesel Fired Boiler

S 2.005 REMOVED

F. System 06 – 8.4 MMBtu/hr Mund Diesel Fired Boiler

S 2.007 REMOVED

G. System 07 – 18.5 MMBtu/hr Cleaver Brooks Diesel Fired Boiler

S 2.011 18.5 MMBtu/hr Cleaver Brooks Boiler, mdl# CB-100-400, s/n L89956, mfd 1991; Building 117-2

H. System 08 – 18.5 MMBtu/hr Cleaver Brooks Diesel Fired Boiler

S 2.014 18.5 MMBtu/hr Cleaver Brooks Boiler, mdl# CB (LE) 100-400, s/n L095723, mfd 1996; Building 117-2

I. System 09 – Melt-Out Process

S 2.015 Melt-Out Process (2 Melt Kettles, Belt Flaker); Building 117-5

J. System 10 – Wash-Out/Steam-Out Process

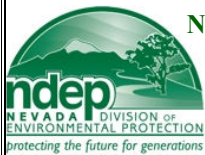
S 2.016 Wash-Out/Steam-Out table, Separation Tank, 2 Melt Kettles, Kernelling Machine, Belt Flaker; North Tower, Building 117-6

K. System 11 – High Pressure Ambient Temperature Water Wash-Out (West Side)

S 2.017 Wash-Out Turntable, Dewatering Screen, Drying Conveyor; South Tower, Building 117-6

L. System 12 – Low Pressure Hot Water Wash-Out (East Side)

S 2.018 Wash-Out Turntable, Dewatering Screen, Drying Conveyor; South Tower, Building 117-6



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Emission Unit List (continued)

M1. System 13A – Screen Plant - Loading

PF 1.001 Material transfer to Feed Hopper

PF 1.002 Feed Hopper transfer to Conveyor 1

M2. System 13B – Screen Plant - Screening

PF 1.004 Fab Tec 3-Deck Screen (mdl# 1, s/n P-136-A-91) and associated transfers in (Conveyor 1) and out (Screen Discharge #1, Screen Discharge #2, Screen Discharge #3)

N1. System 14A – Screen/Crush Plant - Loading

PF 1.008 Truck/End Dump transfer to Grizzly/Apron Feeder

N2. System 14B – Screen/Crush Plant - Transfers

PF 1.009 Apron Feeder transfer to Conveyor 1

PF 1.015 Conveyor 2 transfer to Conveyor 1

N3. System 14C – Screen/Crush Plant - Screening

PF 1.011 El Jay 3-Deck Screen (mdl# FSG 5143-24, s/n FSG 5143-24) and associated transfers in (Conveyor 1) and out (Cone Crusher, Screen Discharge #1, Screen Discharge #2, Screen Discharge #3)

N4. System 14D – Screen/Crush Plant - Crushing

PF 1.013 Cedarapids Cone Crusher (mdl# WRC-36, s/n 36-5-14-3-103-93) and associated transfers in (El Jay Screen) and out (Conveyor 2)

O. System 15 – Stacker

PF 1.016 REMOVED

P. System 16 – Stacker

PF 1.017 Fab Tec 30' Radial Stacker, s/n 30-50-RSH-21-91

Q. System 17 – Stacker

PF 1.018 Fab Tec 30' Radial Stacker, s/n 30-50-RSH-22-91

R. System 18 – Stacker

PF 1.019 Fab Tec 30' Radial Stacker, s/n 30-50-RSH-23-91

S. System 19 – Plastic Media Blast Booth

S 2.034 Plastic Media Blast Booth, mfd by Paul & Griffin, mdl# PRAM 11, s/n 348; Building 49-SH-9

T. System 20 – Surface Coating Booth

S 2.037 Surface Coating Booth, mfd by Devilbiss; Building 103-16

U. System 21 – Surface Coating Booth

S 2.038 Surface Coating Booth; Building 26

V. System 22 – Surface Coating Booth

S 2.039 Surface Coating Booth; Building 26

W. System 23 – Surface Coating Booth

S 2.040 Surface Coating Booth; Building 49-9

X. System 24 – Surface Coating Booth

S 2.041 Surface Coating Booth, mfd by Devilbiss, mdl# XCF-610, s/n 6211-7; Building 104-3

Y. System 25 – Surface Coating Booth

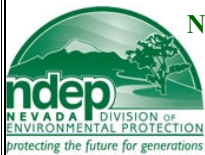
S 2.042 REMOVED

Z. System 26 – Plasma Ordnance Disposal System (PODS)

S 2.043 PODS Waste Handling and Blending, mfd by MSE Technologies, Inc.; Building 117-2

AA. System 27 – Hot Gas Decontamination System

S 2.044 Hot Gas Decontamination System, mfd by Epcon Industrial Systems, Inc, mdl# E-04-T-50-75; s/n 536-945; Building 117-16

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F 1.001 Open burn pan #1
F 1.002 Open burn pan #2
F 1.003 Open burn pan #3
F 1.004 Open burn pan #4
F 1.005 Open burn pan #5
F 1.006 Open burn pan #6
F 1.007 Open burn pan #7
F 1.008 Open burn pan #8
F 1.009 Open burn pan #9
F 1.010 Open burn pan #10
F 1.011 Open burn pan #11
F 1.012 Open burn pan #12
F 1.013 Open burn pan #13
F 1.014 Open burn pan #14
F 1.015 Open burn pan #15
F 1.016 Open burn pan #16
F 1.017 Open burn pan #17
F 1.018 Open burn pan #18
F 1.019 Open burn pan #19
F 1.020 Open burn pan #20

AC. System 29 - Soil Vent Extraction (SVE) and Thermal Oxidizer System

S 2.045 Soil Vent Extraction and Thermal Oxidizer System, mfd by EnviroSupply and Service Inc., mdl# TC 2500, s/n 03-1514; Building 336 Site

AD. System 30 – Munition Detonation Rotary Kiln (MDRK) and Metal Feeding/Recycling System (RF-9)

S 2.046 MDRK and Metal Feeding/Recycling System, mfd Parameter, Inc., mdl# APE 2210, s/n A-WF-7 (4.13 MMBtu/hr Heat Input)
S 2.047 Primary Combustion Chamber, mfd Hauck, mdl# 784PAC (8.2 MMBtu/hr Heat Input)

AE. System 31 – Pangborn Blast Booth

S 2.048 Pangborn Blast Booth, mfd by Pangborn, mdl# LK-4, s/n 6LK4-711; Building 103-5

AF. System 32 – Surface Coating Booth

S 2.049 Surface Coating Booth; Building 103-5

AG. System 33 – 60 kW Onan Emergency Diesel Generator

S 2.050 60 kW Onan Emergency Diesel Generator (EG-001), s/n B790392949, mfd pre-2000

AH. System 34 – 17.5 kW Onan Emergency Diesel Generator

S 2.051 17.5 kW Onan Emergency Diesel Generator (EG-002), s/n G750964362, mfd pre-2000

AI. System 35 – 80 kW Kohler Emergency Diesel Generator

S 2.052 80 kW Kohler Emergency Diesel Generator (EG-003), s/n 358882, mfd pre-2000

AJ. System 36 – 10 kW Lockheed Emergency Diesel Generator

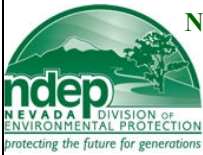
S 2.053 10 kW Lockheed Emergency Diesel Generator (EG-005), s/n 26, mfd pre-2000

AK. System 37 – 5 kW Hollingsworth Emergency Gasoline Generator

S 2.054 5 kW Hollingsworth Emergency Gasoline Generator (EG-006), s/n KA70-0663, mfd pre-2000

AL. System 38 – 5 kW Katolite Emergency Propane Generator

S 2.055 5 kW Katolight Emergency Propane Generator, mfd 2005



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Emission Unit List (continued)

AM. System 39 – 3.5 MMBtu/hr International Diesel Boiler

S 2.056 3.5 MMBtu/hr International Diesel Boiler (ICEU-001), mdl# BF-100C-W1HL, s/n 637-E; Building 102-52

AN. System 40 – 3.5 MMBtu/hr Cleaver Brooks Diesel Boiler

S 2.057 3.5 MMBtu/hr Cleaver Brooks Diesel Boiler (ICEU-002), mdl# M4-6000, s/n 46018805; Building 104-2

AO. System 41 – 1.2 MMBtu/hr Cleaver Brooks Diesel Boiler

S 2.058 1.2 MMBtu/hr Cleaver Brooks Diesel Boiler (ICEU-004), mdl# OB-3, s/n 0-3619; Building 103-31

AP. System 42 – 1.2 MMBtu/hr Cleaver Brooks Diesel Boiler

S 2.059 1.2 MMBtu/hr Cleaver Brooks Diesel Boiler (ICEU-005), mdl# OB-3, s/n 0-3620; Building 103-31

AQ. System 43 – 2.5 MMBtu/hr Cleaver Brooks Diesel Boiler

S 2.060 2.5 MMBtu/hr Cleaver Brooks Diesel Boiler (ICEU-008), mdl# CBE100-060-150ST, s/n OL103313; Building 104-9

AR. System 44 – 3.8 MMBtu/hr Cleaver Brooks Diesel Boiler

S 2.061 3.8 MMBtu/hr Cleaver Brooks Diesel Boiler (ICEU-009), mdl# CBE100-090-150ST, s/n OL103314; Building 104-4

AS. System 45 – 3.4 MMBtu/hr Cleaver Brooks Diesel Boiler

S 2.062 3.4 MMBtu/hr Cleaver Brooks Diesel Boiler, s/n L99881; Building 49-31

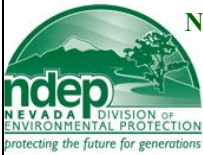
AT. System 46 – Gasoline Storage Tanks

S 2.063 Gasoline Storage Tank (GT001, mfd by Elutron), 10,000 gallons, underground, Building #102-52

S 2.064 Gasoline Storage Tank (GT002, mfd by Elutron), 10,000 gallons, underground, Building #102-52

S 2.065 Gasoline Storage Tank (GT003, mfd by San Luis Tank and Piping Construction Co.), 1,000 gallons, above ground, Building #150

*******End of Emission Unit List*******



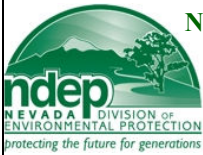
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Section I. General Conditions

- A. Nevada Administrative Code (NAC) 445B.315.3.c, Part 70 Program Severability
Each of the conditions and requirements of this Operating Permit is severable and, if any are held invalid, the remaining conditions and requirements continue in effect.
- B. Nevada Revised Statute (NRS) 445B.470.1 (State Only Requirement)
Prohibited Acts
The Permittee shall not knowingly:
1. Violate any applicable provision, the terms or conditions of any permit or any provision for the filing of information;
 2. Fail to pay any fee;
 3. Falsify any material statement, representation or certification in any notice or report; or
 4. Render inaccurate any monitoring device or method, required pursuant to the provisions of NRS 445B.100 to 445B.450, inclusive, or NRS 445B.470 to 445B.640, inclusive, or any regulation adopted pursuant to those provisions.
- C. NAC 445B.22013 (State Only Requirement)
Prohibited Discharge
The Permittee shall not cause or permit the discharge into the atmosphere from any stationary source of any hazardous air pollutant or toxic regulated air pollutant that threatens the health and safety of the general public, as determined by the Director.
- D. NAC 445B.225 (Federally Enforceable SIP Requirement)
Prohibited Conduct: Concealment of Emissions
No person may install, construct or use any device which conceals any emission without reducing the total release of regulated air pollutants to the atmosphere.
- E. NAC 445B.315.3.d Part 70 Program Compliance/Noncompliance
The Permittee shall comply with all conditions of this Operating Permit. Any noncompliance constitutes a violation and is grounds for:
1. An action for noncompliance;
 2. Modifying, revoking, reopening and revising, or terminating the Operating Permit; or
 3. Denial of an application for a renewal of the Operating Permit.
- F. NAC 445B.273.1 (State Only Requirement)
Schedules for Compliance
The Permittee shall comply with NAC 445B.001 through 445B.3689, inclusive. Existing stationary sources are in compliance with those sections and may continue to operate under the provisions of their approved compliance schedules, which may be amended from time to time.
- G. NAC 445B.326.1 Part 70 Program Assertion of Emergency as Affirmative Defense to Action for Noncompliance
The Permittee may assert an affirmative defense to an action brought for noncompliance with a technology-based emission limitation contained in the Operating Permit if the holder of the Operating Permit demonstrates through signed, contemporaneous operating logs or other relevant evidence that:
1. An emergency occurred as defined in NAC 445B.056, and the holder of the Operating Permit can identify the cause of the emergency;
 2. The facility was being properly operated at the time of the emergency;
 3. During the emergency, the holder of the Operating Permit took all reasonable steps to minimize excess emissions; and
 4. The holder of the Operating Permit submitted notice of the emergency to the Director within 2 working days after the emergency. The notice must contain a description of the emergency, any steps taken to mitigate emissions, and any corrective actions taken to restore the normal operation of the facility.
- H. NAC 445B.315.3.e Part 70 Program
The need to halt or reduce activity to maintain compliance with the conditions of this Operating Permit is not a defense to noncompliance with any conditions of this Operating Permit.
- I. NAC 445B.315.3.f Part 70 Program
The Director may revise, revoke and reissue, reopen and revise, or terminate the operating permit for cause.



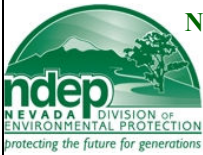
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Section I. General Conditions (continued)

- J. NAC 445B.325 Part 70 Program
Termination, reopening and revision, modification, and revocation and reissuance
1. A Class I operating permit must be reopened and revised to incorporate any additional applicable requirement adopted pursuant to the Act if, on the effective date of the applicable requirement, the operating permit has a remaining term of 3 or more years. The reopening must be completed no later than 18 months after the effective date of the applicable requirement.
 2. An operating permit may be terminated, reopened and revised, modified, or revoked and reissued if:
 - a. The Director or the Administrator determines that the operating permit contains a material mistake or is based on inaccurate statements;
 - b. The Director or the Administrator determines that the operating permit, as written, does not ensure compliance with all applicable requirements; or
 - c. The Director determines that there has been a violation of any of the provisions of NAC 445B.001 to 445B.3497, inclusive, any applicable requirement, or any condition contained in the operating permit.
- K. NAC 445B.3265 (State Only Requirement)
Revocation and reissuance
1. NAC 445B. 3265.1. The Permittee's operating permit may be revoked if the control equipment is not operating.
 2. NAC 445B.3265.2. The Permittee's operating permit may be revoked by the Director upon determination that there has been a violation of NAC 445B.001 to 445B.3497, inclusive, or the provisions of 40 CFR Part 52.21, or 40 CFR Part 60 or 61, Prevention of Significant Deterioration, New Source Performance Standards, and National Emission Standards for Hazardous Air Pollutants adopted by reference in NAC 445B.221.
 3. NAC 445B.3265.3. -The revocation is effective 10 days after the service of a written notice, unless a hearing is requested.
- L. SIP 445.715 (Federally Enforceable SIP Requirement)
Operating Permits: Revocation
1. The Permittee's operating permit may be revoked if the control equipment is not operating.
 2. The Permittee's operating permit can be revoked by the Director upon determination that there has been a violation of SIP 445.430 to 445.846, inclusive, or 40 CFR Parts 60 or 61, New Source Performance Standards and National Emissions Standards for Hazardous Air Pollutants.
 3. The revocation is effective 10 days after the service of a written notice, and the revoked operating permit shall be surrendered immediately unless a hearing is requested.
- M. NAC 445B.315.3.g Part 70 Program
This Operating Permit does not convey any property rights or any exclusive privilege.
- N. NAC 445B.315.3.h Part 70 Program
The Permittee shall provide the Director, within a reasonable time, with any information that the Director requests in writing to determine whether cause exists for modifying, revoking and reissuing, reopening and revising or terminating this Operating Permit or to determine compliance with the conditions of this Operating Permit.
- O. NAC 445B.315.3.i Part 70 Program
The Permittee shall pay fees to the Bureau of Air Pollution Control in accordance with the provisions set forth in NAC 445B.327 and 445B.331.
- P. NAC 445B.315.3.j Part 70 Program
Right to Entry
The Permittee shall allow the Bureau of Air Pollution Control staff, upon the presentation of credentials, to:
1. Enter upon the premises of the Permittee where:
 - a. The stationary source is located;
 - b. Activity related to emissions is conducted; or
 - c. Records are kept pursuant to the conditions of this Operating Permit.
 2. Have access to and copy, during normal business hours, any records that are kept pursuant to the conditions of this Operating Permit;
 3. Inspect, at reasonable times, any facilities, practices, operations, or equipment, including any equipment for monitoring or controlling air pollution, that are regulated or required pursuant to this Operating Permit; and
 4. Sample or monitor, at reasonable times, substances or parameters to determine compliance with the conditions of this Operating Permit or applicable requirements.
- Q. NAC 445B.315.3.k Part 70 Program
A responsible official of the Permittee shall certify that, based on information and belief formed after reasonable inquiry, the statements made in any document required to be submitted by any condition of this Operating Permit are true, accurate and complete.



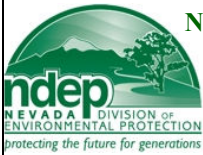
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Section I. General Conditions (continued)

- R. 40 CFR 52.21(r)(4) (*Federally Enforceable PSD Program*)
At such time that the Permittee becomes a major stationary source or major modification solely by virtue of a relaxation in any enforceable limitation which was established after August 7, 1980, on the capacity of the source or modification otherwise to emit a pollutant, such as a restriction on hours of operation, then the requirements of 40 CFR Part 52.21 paragraphs (j) through (s) of this section shall apply to the source or modification as though construction had not yet commenced on the source or modification.
- S. NAC 445B.252 *Testing and Sampling (State Only Requirement)*
1. To determine compliance with [NAC 445B.001](#) to [445B.3689](#), inclusive, before the approval or the continuance of an operating permit or similar class of permits, the Director may either conduct or order the owner of any stationary source to conduct or have conducted such testing and sampling as the Director determines necessary. Testing and sampling or either of them must be conducted and the results submitted to the Director within 60 days after achieving the maximum rate of production at which the affected facility will be operated, but not later than 180 days after initial start-up of the facility and at such other times as may be required by the Director.
 2. Tests of performance must be conducted and data reduced in accordance with the methods and procedures of the test contained in each applicable subsection of this section unless the Director:
 - a. Specifies or approves, in specific cases, the use of a reference method with minor changes in methodology;
 - b. Approves the use of an equivalent method;
 - c. Approves the use of an alternative method, the results of which the Director has determined to be adequate for indicating whether a specific stationary source is in compliance; or
 - d. Waives the requirement for tests of performance because the owner or operator of a stationary source has demonstrated by other means to the Director's satisfaction that the affected facility is in compliance with the standard.
 3. Tests of performance must be conducted under such conditions as the Director specifies to the operator of the plant based on representative performance of the affected facility. The owner or operator shall make available to the Director such records as may be necessary to determine the conditions of the test of performance. Operations during periods of start-up, shutdown and malfunction must not constitute representative conditions of a test of performance unless otherwise specified in the applicable standard.
 4. The owner or operator of an affected facility shall give notice to the Director 30 days before the test of performance to allow the Director to have an observer present. A written testing procedure for the test of performance must be submitted to the Director at least 30 days before the test of performance to allow the Director to review the proposed testing procedures.
 5. Each test of performance must consist of at least three separate runs using the applicable method for that test. Each run must be conducted for the time and under the conditions specified in the applicable standard. For the purpose of determining compliance with an applicable standard, the arithmetic means of results of the runs apply. In the event of forced shutdown, failure of an irreplaceable portion of the sampling train, extreme meteorological conditions or other circumstances with less than three valid samples being obtained, compliance may be determined using the arithmetic mean of the results of the other two runs upon the Director's approval.
 6. All testing and sampling will be performed in accordance with recognized methods and as specified by the Director.
 7. The cost of all testing and sampling and the cost of all sampling holes, scaffolding, electric power and other pertinent allied facilities as may be required and specified in writing by the Director must be provided and paid for by the owner of the stationary source.
 8. All information and analytical results of testing and sampling must be certified as to their truth and accuracy and as to their compliance with all provisions of these regulations, and copies of these results must be provided to the Director no later than 60 days after the testing or sampling, or both.
 9. Notwithstanding the provisions of subsection 2, the Director shall not approve an alternative method or equivalent method to determine compliance with a standard or emission limitation contained in Part 60, 61 or 63 of Title 40 of the Code of Federal Regulations for:
 - a. An emission unit that is subject to a testing requirement pursuant to Part 60, 61 or 63 of Title 40 of the Code of Federal Regulations; or
 - b. An affected source.



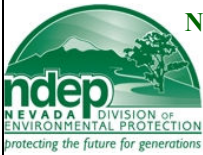
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Section I. General Conditions (continued)

- T. SIP 445B.252 Testing and sampling (*Federally Enforceable SIP Requirement*)
1. To determine compliance with [NAC 445B.001](#) to [445B.3497](#), inclusive, before the approval or the continuance of an operating permit or similar class of permits, the Director may either conduct or order the owner of any stationary source to conduct or have conducted such testing and sampling as the Director determines necessary. Testing and sampling or either of them must be conducted and the results submitted to the Director within 60 days after achieving the maximum rate of production at which the affected facility will be operated, but not later than 180 days after initial start-up of the facility and at such other times as may be required by the Director.
 2. Tests of performance must be conducted and data reduced in accordance with the methods and procedures of the test contained in each applicable subsection of this section unless the Director:
 - a. Specifies or approves, in specific cases, the use of a reference method with minor changes in methodology;
or
 - d. Waives the requirement for tests of performance because the owner or operator of a stationary source has demonstrated by other means to the Director's satisfaction that the affected facility is in compliance with the standard.
 3. Tests of performance must be conducted under such conditions as the Director specifies to the operator of the plant based on representative performance of the affected facility. The owner or operator shall make available to the Director such records as may be necessary to determine the conditions of the test of performance. Operations during periods of start-up, shutdown and malfunction must not constitute representative conditions of a test of performance unless otherwise specified in the applicable standard.
 4. The owner or operator of an affected facility shall give notice to the Director 30 days before the test of performance to allow the Director to have an observer present. A written testing procedure for the test of performance must be submitted to the Director at least 30 days before the test of performance to allow the Director to review the proposed testing procedures.
 5. Each test of performance must consist of at least three separate runs using the applicable method for that test. Each run must be conducted for the time and under the conditions specified in the applicable standard. For the purpose of determining compliance with an applicable standard, the arithmetic means of results of the runs apply. In the event of forced shutdown, failure of an irreplaceable portion of the sampling train, extreme meteorological conditions or other circumstances with less than three valid samples being obtained, compliance may be determined using the arithmetic mean of the results of the other two runs upon the Director's approval.
 7. The cost of all testing and sampling and the cost of all sampling holes, scaffolding, electric power and other pertinent allied facilities as may be required and specified in writing by the Director must be provided and paid for by the owner of the stationary source.
 8. All information and analytical results of testing and sampling must be certified as to their truth and accuracy and as to their compliance with all provisions of these regulations, and copies of these results must be provided to the Director no later than 60 days after the testing or sampling, or both.
 9. Notwithstanding the provisions of subsection 2, the Director shall not approve an alternative method or equivalent method to determine compliance with a standard or emission limitation contained in Part 60, 61 or 63 of Title 40 of the Code of Federal Regulations for:
 - a. An emission unit that is subject to a testing requirement pursuant to Part 60, 61 or 63 of Title 40 of the Code of Federal Regulations;
or
 - b. An affected source.
- U. NAC 445B.22017 (*Federally Enforceable SIP Requirement*)
Visible Emissions: Maximum Opacity; Determination and Monitoring of Opacity.
1. Except as otherwise provided in this section and NAC 445B.2202, no owner or operator may cause or permit the discharge into the atmosphere from any emission unit which is of an opacity equal to or greater than 20 percent. Opacity must be determined by one of the following methods:
 - a. If opacity is determined by a visual measurement, it must be determined as set forth in Reference Method 9 in Appendix A of 40 C.F.R. Part 60.
 - b. If a source uses a continuous monitoring system for the measurement of opacity, the data must be reduced to 6-minute averages as set forth in 40 C.F.R. §§ 60.13(h).
 2. The provisions of this section and NAC 445B.2202 do not apply to that part of the opacity that consists of uncombined water. The burden of proof to establish the application of this exemption is upon the person seeking to come within the exemption.
 3. If the provisions of 40 CFR Part 60, Subpart D or Da apply to an emission unit, the emission unit shall be allowed one 6-minute period per hour of not more than 27 percent opacity as set forth in 40 CFR § 60.42(a)(2) AND 40 CFR § 60.42a(b).
 4. The continuous monitoring system for monitoring opacity at a facility shall be operated and maintained by the owner or operator specified in the permit for the facility in accordance with NAC 445B.256 to 445B.267, inclusive.



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GENERAL REQUIREMENTS

Issued to: Department of the Army, Hawthorne Army Depot (HWAD)

Section I. General Conditions (continued)

V. NAC 445B.22037 (*Federally Enforceable SIP Requirement*)

Emissions of Particulate Matter: Fugitive Dust

1. The Permittee may not cause or permit the handling, transporting, or storing of any material in a manner which allows or may allow controllable particulate matter to become airborne.
2. Except as otherwise provided in subsection 4, the Permittee may not cause or permit the construction, repair, demolition, or use of unpaved or untreated areas without first putting into effect an ongoing program using the best practical methods to prevent particulate matter from becoming airborne. As used in this subsection, "best practical methods" includes, but is not limited to, paving, chemical stabilization, watering, phased construction, and revegetation.
3. Except as provided in subsection 4, the Permittee may not disturb or cover 5 acres or more of land or its topsoil until The Permittee has obtained an Operating Permit for surface area disturbance to clear, excavate, or level the land or to deposit any foreign material to fill or cover the land.
4. The provisions of subsections 2 and 3 do not apply to:
 - a. Agricultural activities occurring on agricultural land; or
 - b. Surface disturbances authorized by a permit issued pursuant to NRS 519A.180 which occur on land which is not less than 5 acres or more than 20 acres.

W. NAC 445B.22067

Open Burning

The open burning of any combustible refuse, waste, garbage, oil, or for any salvage operations, except as specifically exempted, is prohibited. Specific exemptions from open burning are described in NAC 445B.22067.2.

X. NAC 445B.22087 (*State Only Requirement*)

Odors

The Permittee may not discharge or cause to be discharged, from any stationary source, any material or regulated air pollutant which is or tends to be offensive to the senses, injurious or detrimental to health and safety, or which in any way interferes with or prevents comfortable enjoyment of life or property.

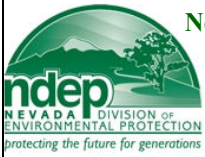
Y. NAC 445B.319, 445B.342, 445B.3425 and 445B.344 Part 70 Program

Any changes to this Operating Permit will comply with all provisions established under NAC 445B.319, 445B.342, 445B.3425 and 445B.344.

Z. NAC 445B.3443 Part 70 Program

Renewal of this Operating Permit will be in accordance with NAC 445B.3443.

*******End of General Conditions*******



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Section II. General Construction Conditions

A. NAC 445B.250 Notification of planned construction or reconstruction. (*Federally Enforceable SIP Requirement*)

Any owner or operator subject to the provisions of NAC 445B.001 to 4445B.3689, inclusive, shall furnish the Director written notification of:

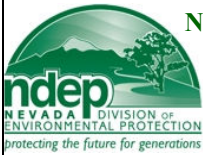
1. The date that construction or reconstruction of **S2.048 and S2.049** is commenced, postmarked no later than 30 days after such date. This requirement does not apply in the case of mass-produced facilities which are purchased in completed form.
2. The anticipated date of initial start-up of **S2.048 and S2.049**, postmarked not more than 60 days and not less than 30 days before such date.
3. The actual date of initial start-up of **S2.048 and S2.049**, postmarked within 15 days after such date.
4. The date upon which demonstration of the continuous monitoring system performance commences in accordance with NAC 445B.256 to 445B.267, inclusive. Notification must be postmarked not less than 30 days before such date.1.

B. NAC 445B.3366 Part 70 Program

Expiration

This Operating Permit expires if construction is not commenced within 18 months after the date of issuance thereof or construction of the facility is delayed for 18 months after initiated.

*******End of General Construction Conditions*******



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Section III. General Operating Conditions

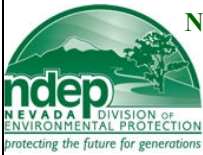
A. NAC 445B.227 Part 70 Program
Facilities Operation

The Permittee may not:

1. Operate a stationary source of air pollution unless the control equipment for air pollution which is required by applicable requirements or conditions of this Operating Permit is installed and operating.
2. Disconnect, alter, modify or remove any of the control equipment for air pollution or modify any procedure required by an applicable requirement or condition of this Operating Permit.

B. NAC 445B.232 (State Only Requirement)
Excess Emissions

1. Scheduled maintenance or testing or scheduled repairs which may result in excess emissions of regulated air pollutants prohibited by [NAC 445B.001](#) to [445B.3689](#), inclusive, must be approved in advance by the Director and performed during a time designated by the Director as being favorable for atmospheric ventilation.
2. Each owner or operator shall notify the Director of the proposed time and expected duration at least 30 days before any scheduled maintenance or testing which may result in excess emissions of regulated air pollutants prohibited by [NAC 445B.001](#) to [445B.3689](#), inclusive. The scheduled maintenance or testing must not be conducted unless the scheduled maintenance or testing is approved pursuant to subsection 1.
3. Each owner or operator shall notify the Director of the proposed time and expected duration at least 24 hours before any scheduled repairs which may result in excess emissions of regulated air pollutants prohibited by [NAC 445B.001](#) to [445B.3689](#), inclusive. The scheduled repairs must not be conducted unless the scheduled repairs are approved pursuant to subsection 1.
4. Each owner or operator shall notify the Director of any excess emissions within 24 hours after any malfunction or upset of the process equipment or equipment for controlling pollution or during start-up or shutdown of that equipment.
5. Each owner or operator shall provide the Director, within 15 days after any malfunction, upset, start-up, shutdown or human error which results in excess emissions, sufficient information to enable the Director to determine the seriousness of the excess emissions. The information must include at least the following:
 - a. The identity of the stack or other point of emission, or both, where the excess emissions occurred.
 - b. The estimated magnitude of the excess emissions expressed in opacity or in the units of the applicable limitation on emission and the operating data and methods used in estimating the magnitude of the excess emissions.
 - c. The time and duration of the excess emissions.
 - d. The identity of the equipment causing the excess emissions.
 - e. If the excess emissions were the result of a malfunction, the steps taken to remedy the malfunction and the steps taken or planned to prevent the recurrence of the malfunction.
 - f. The steps taken to limit the excess emissions.
 - g. Documentation that the equipment for controlling air pollution, process equipment or processes were at all times maintained and operated, to a maximum extent practicable, in a manner consistent with good practice for minimizing emissions.
6. Each owner or operator shall ensure that any notification or related information submitted to the Director pursuant to this section is provided in a format specified by the Director.



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Section III. General Operating Conditions (continued)

C. SIP 445.667 (*Federally Enforceable SIP Requirement*)

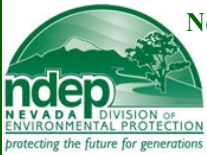
Excess Emissions: Scheduled Maintenance; Testing; Malfunctions

1. Scheduled maintenance or testing approved by the Director or repairs which may result in excess emissions of air contaminants prohibited by SIP 445.430 to 445.846, inclusive, must be performed during a time designated by the Director as being favorable for atmospheric ventilation.
2. The Director shall be notified in writing of the time and expected duration at least 24 hours in advance of any scheduled maintenance or repairs which may result in excess emissions of air contaminants prohibited by NAC 445.430 to 445.846, inclusive.
3. The Director must be notified within 24 hours after any malfunction, breakdown or upset of process or pollution control equipment or during startup of such equipment. Phone (775) 687-9350.
4. The owner or operator of an affected facility shall provide the Director, within 15 days after any malfunction, breakdown, upset, startup or human error sufficient information to enable the Director to determine the seriousness of the excess emissions. The submission must include as a minimum:
 - a. The identity of the stack and/or other emission point where the excess emission occurred.
 - b. The estimated magnitude of the excess emissions expressed in opacity or in the units of the applicable emission limitation and the operating data and methods used in estimating the magnitude of the excess emissions.
 - c. The time and duration of the excess emissions.
 - d. The identity of the equipment causing the excess emissions.
 - e. If the excess emissions were the result of a malfunction, steps taken to remedy the malfunction and the steps taken or planned to prevent the recurrence of the malfunctions.
 - f. The steps taken to limit the excess emissions.
 - g. Documentation that the air pollution control equipment, process equipment or processes were at all times maintained and operated, to a maximum extent practicable, in a manner consistent with good practice for minimizing emissions.

D. SIP Article 2.5.4 (*Federally Enforceable SIP Requirement*)

1. Breakdown or upset, determined by the Director to be unavoidable and not the result of careless or marginal operations, shall not be considered a violation of these regulations.

*******End of General Operating Conditions*******



Bureau of Air Pollution Control

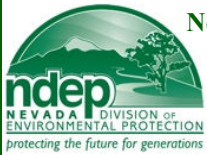
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Issued to: Department of the Army, Hawthorne Army Depot (HWAD)

Section IV. Federal Regulations and Applicable Requirements

- A. The following provisions are applicable requirements of this Operating Permit:
1. The Permittee will comply with all applicable provisions of:
 - a. 40 CFR Part 60.1 - 60.19 - Standards of Performance for New Stationary Sources - General Provisions;
 - b. 40 CFR Part 61.01 - 61.19 - National Emission Standards for Hazardous Air Pollutants - General Provisions;
 - c. 40 CFR Part 61.140 - 61.157 - National Emission Standard for Asbestos;
 - d. 40 CFR Part 63.1 - 63.15 - National Emission Standards for Hazardous Air Pollutants for Source Categories - General Provisions;
 - e. 40 CFR Part 70 - State Operating Permit Programs.
 2. This provision is applicable if the Permittee is subject to 40 CFR Part 68 - Chemical Accident Prevention Provisions. The Permittee shall submit a risk management plan (RMP) by dates specified in 40 CFR 68.10. The Permittee shall certify compliance with these requirements as part of the annual compliance certification as required by 40 CFR Part 70.
 3. This provision is applicable if the Permittee is subject to 40 CFR Part 82. The Permittee will comply with all provisions of 40 CFR Part 82. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156. Equipment used during maintenance, service, repair, or disposal of appliances must meet the standards for recycling and recovery equipment in accordance with 40 CFR 82.158. Persons performing maintenance, service, repair or disposal of appliances must be certified by a certified technician pursuant to 40 CFR 82.161.

*******End of Federal Regulations and Applicable Requirements*******



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Section V. General Monitoring, Recordkeeping, and Reporting Requirements

- A. NAC 445B.315.3.(b) Part 70 Program
The Permittee shall retain records of all required monitoring data and supporting information for 5 years from the date of the sample collection, measurement, report or analysis. Supporting information includes, but is not limited to, all records regarding calibration and maintenance of the monitoring equipment and all original strip-chart recordings for continuous monitoring instrumentation.
- B. NAC 445B.3405.1.(d) Part 70 Program
The Permittee will record:
1. Monitoring information required by the conditions of this permit including the date, the location and the time of the sampling or the measurements and the operating conditions at the time of the sampling or measurements; and
 2. The date on which the analyses were performed, the company that performed them, the analytical techniques that the company used, and the results of such analyses.
- C. NAC 445B.3405.1.(e) Part 70 Program
The Permittee will:
1. Promptly report to the Director all deviations from the requirements of this Operating Permit; and
 2. Report to the Director the probable cause of all deviations and any action taken to correct the deviations. For this Operating Permit, prompt is defined as submittal of a report within 15 days of the deviation. This definition does not alter any reporting requirements as established for reporting of excess emissions as required under NAC 445B.232 and under **Section III.B** of this permit, or for reporting of an emergency (as defined by NAC 445B.326) under **Section I.I.** of this permit; and
 3. Submit reports of any required monitoring every 6 months, within 8 weeks after June 30 and December 31 of each calendar year. The reports must contain a summary of the data collected as required by all monitoring, recordkeeping and compliance requirements and as specified in sections **VI** and **VII** of this operating permit.
- D. NAC 445B.315.3.(h) Part 70 Program
The Permittee will submit yearly reports including, but not limited to, throughput, production, fuel consumption, hours of operation, and emissions. These reports will be submitted on the form provided by the Bureau of Air Pollution Control for all emission units/systems specified on the form. The completed form must be submitted to the Bureau of Air Pollution Control no later than March 1 annually for the preceding calendar year, unless otherwise approved by the Bureau of Air Pollution Control.
- E. NAC 445B.3405.1.(j) Part 70 Program
1. The Permittee will submit a compliance certification for all applicable requirements, reflecting the terms and conditions of the permit, to the Administrator of the Division of Environmental Protection and the Administrator of USEPA annually, on or before March 1 for the preceding calendar year. The compliance certification must include:
 - a. An identification of each term or condition of the Operating Permit that is the basis of the certification;
 - b. The status of the stationary source's compliance with any applicable requirement;
 - c. A statement of whether compliance was continuous or intermittent;
 - d. The method used for determining compliance; and
 - e. Any other facts the Director determines to be necessary to determine compliance.
- F. NAC 445B.063 State-Only Requirement
The Department may use any credible evidence or information, relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed, to determine excess emissions.

******End of General Monitoring, Recordkeeping, and Reporting Requirements******